

INTERNATIONAL SEARCH REPORT

International application No.

PCT/NO 2004/000177

A. CLASSIFICATION OF SUBJECT MATTER

IPC7: F16L 53/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC7: F16L, F17D

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

SE,DK,FI,NO classes as above

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

EPO-INTERNAL, WPI DATA, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 6328583 B2 (NESS ET AL), 11 December 2001 (11.12.2001), abstract --	1-4
A	US 6509557 B1 (BASS), 21 January 2003 (21.01.2003), figure 11, abstract --	1-2
A	US 20030015519 A1 (STONE, JR), 23 January 2003 (23.01.2003), figures 1-2, abstract --	3-4
A	US 6371693 B1 (KOPP ET AL), 16 April 2002 (16.04.2002), figure 1A, abstract -- -----	3-4

☐ Further documents are listed in the continuation of Box C.

☒ See patent family annex.

* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier application or patent but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance: the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance: the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&" document member of the same patent family

Date of the actual completion of the international search

26 October 2004

Date of mailing of the international search report

27 -10- 2004

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Swedish Patent Office

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INTERNATIONAL SEARCH REPORT

Information on patent family members

01/10/2004

International application No.

PCT/NO 2004/000177

US	6328583	B2	11/12/2001	GB	0029619	D	00/00/0000
				GB	2357910	A,B	04/07/2001
				NO	311277	B	05/11/2001
				NO	996522	A	29/06/2001
				US	20010005646	A	28/06/2001

US	6509557	B1	21/01/2003	US	6278095	B	21/08/2001
				US	6278096	B	21/08/2001

US	20030015519	A1	23/01/2003	US	6707012	B	16/03/2004

US	6371693	B1	16/04/2002	NONE			
